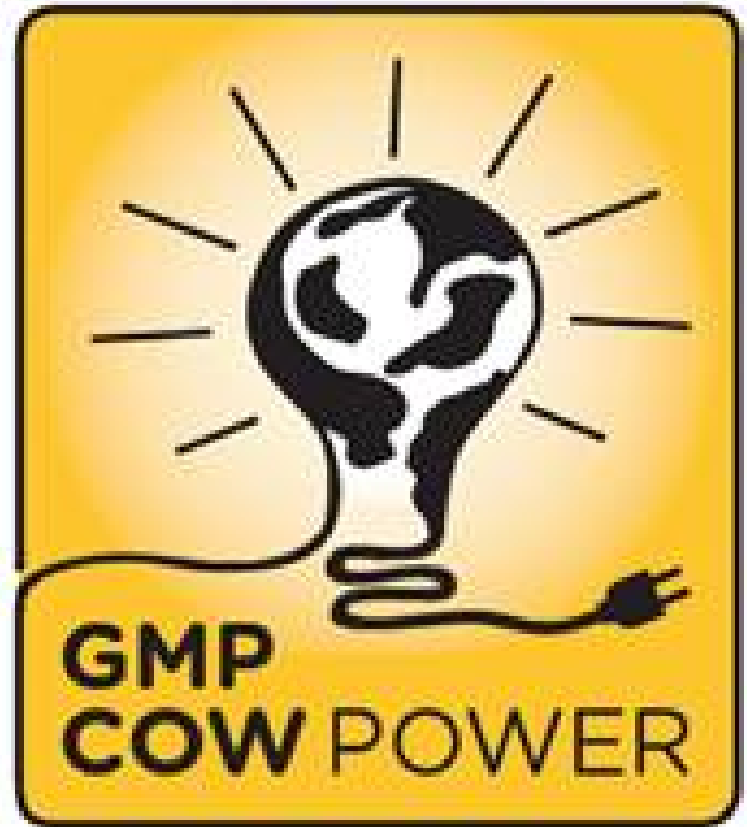


Tapping into Corporate Sustainability



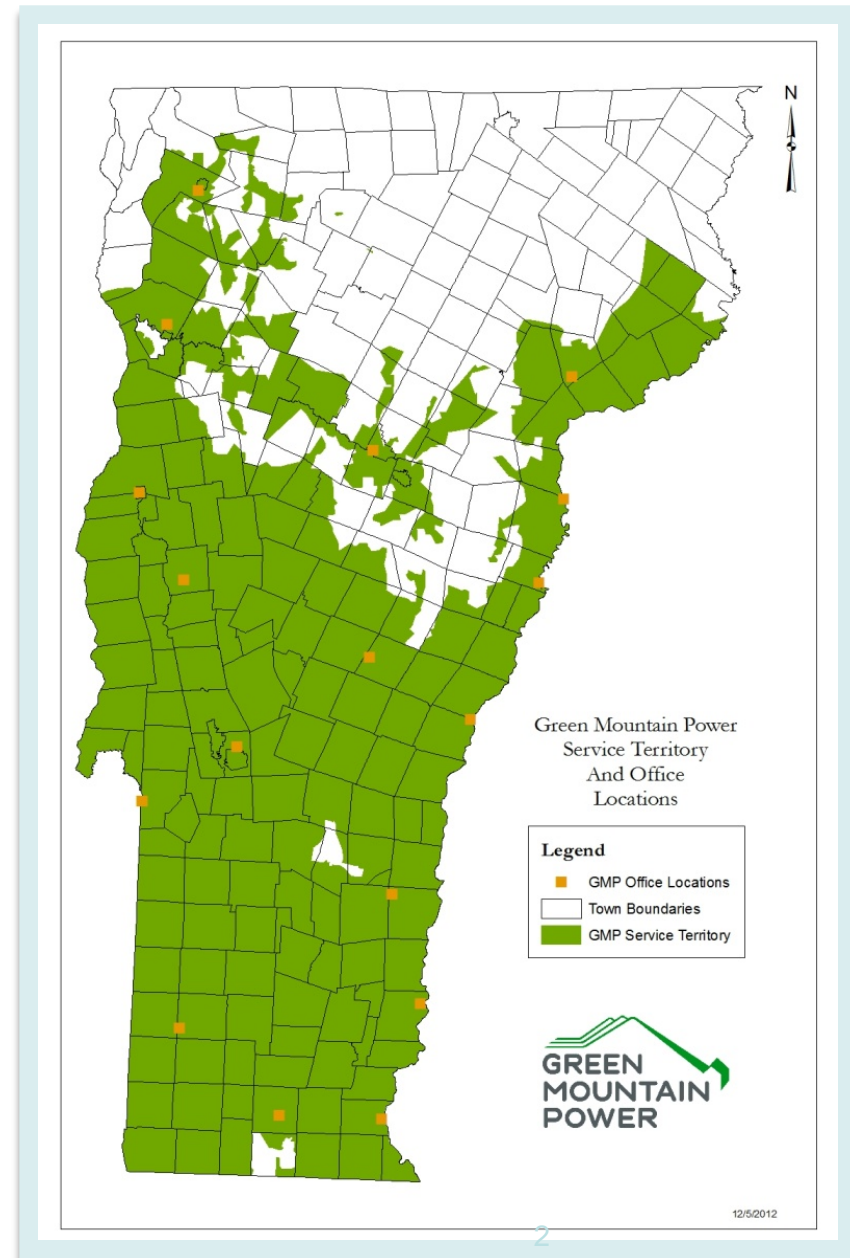
Mike Raker
Agricultural Energy Consultants
Plainfield, Vermont
mmraker@aol.com

David J. Dunn
Green Mountain Power
Rutland, Vermont
David.Dunn@GreenMountainPower.com

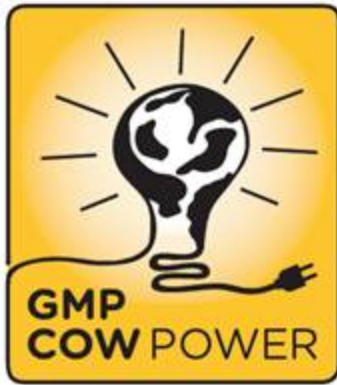
GMP

- 257,000 customers in 202 VT towns
- Among the smallest investor owned utilities in the US
- The right size for Vermont
- The best small electric utility in the US

Employees	725
Customers served (VT)	70%
Area served (VT)	63%
Line miles	12,000
In-State Hydro	32 stations 103 MW



GMP Cow Power™



A renewable program directly linking electric customers with farms.

- Provides customers a renewable **choice**.
- Provides farmers with new **revenue**
- Provides tools to **protect** the environment.

GMP Cow Power™ Tariff

- **Customers** purchase **attributes** for \$0.04/kWh
- 100% of the attribute premium goes to the farms
- Customers can enroll 100%, 50% or 25% and 10% of their energy use
- Farms were paid over **\$2.8 Million** to date in premiums and produced **71,520,000 kWh** through April 2013!

GMP Renewable Development Fund

Since 2004:

\$2,300,000 to provide grants and project coordination to CVPS Cow Power™ projects.

\$950,000 granted to the Vermont Small Scale Renewable Program for wind and solar installations.

\$600,000 towards other renewable energy projects

\$60,000 to market Cow Power™ to new commercial customers

Environmental Benefits

Annual methane destruction from
12 participating farms

44,700 MTCO₂e

PLUS grid offset of 7,450 MTCO₂e

Like removing 10,865 cars from the highway
burning over 5.8 million gallons of gasoline
every year!!

(194,000 MTCO₂e since 2005)

(Updated May 6, 2013 DJD)

Cow Power

Corporate Partners



Green Mountain College

Sierra applauds GMC for achieving ***climate neutrality***

a combination of efficiency, large-scale adoption of clean energy, and *purchase of local carbon offsets* through the Central Vermont Public Service "Cow Power" program.

Green Mountain College was also Sierra's number one pick in 2010.

Platinum LEED for Marsh-Billings-Rockefeller Forest Center

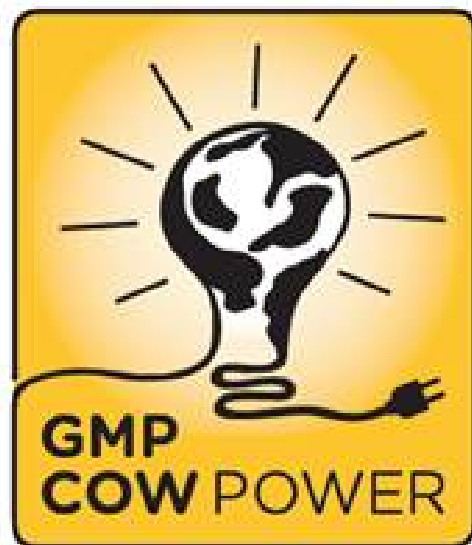


Platinum LEED for
Middlebury College
Franklin Environmental Center.



Full Circle TROLLEY

Electric Transport Serving Woodstock
1910 ✶ 2010



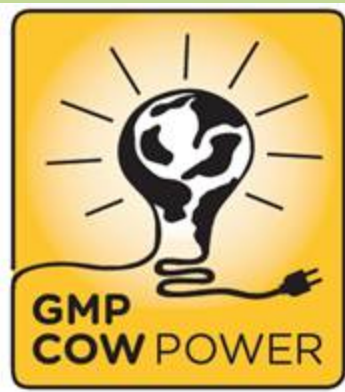
Mary Meyer,

*Vermont's oldest stuffed toy company has given a big hug to Vermont's newest renewable energy source, **Cow Power.***

In 2009, Mary Meyer began to receive one hundred percent of it's energy from Vermont cows. We are supporting renewable energy and Vermont dairy farms that produce electricity with methane powered generators fueled by cow manure.

We have continued our commitment to expanding Earthmates™, our collection of environmentally friendly stuffed toys. About half our Earthmates line is made from organic cotton and bamboo. The remaining toys, known as Fuzz That Wuzz™, are made from recycled plastic bottles. Each toy helps keep over ten bottles out of landfills.

Click here to see how CVPS Cow Power works.



Make our toys a part of your green mooovement.

Cow Power T's are produced by the Vermont Clothing Company.

Vermont is The Greenest Place on Earth™
With your help, we can keep it that way.

This product was perfected in Vermont using Cow Power™. 100% of our factory's power is supplied by this alternative & renewable energy source. When given lemons we make lemonade. Well, we have cows... lots of them. And no cows don't run on treadmills. Central Vermont Public Service (CVPS) has partnered with Vermont farmers to develop a revolutionary system that generates electricity from cow manure. The benefits are as obvious as they are numerous. It's more money, but what's the real cost? Green for us. Green for you.

For more information on our companies, and Cow Power™ visit the following websites:
www.vermontclothingcompany.com
www.cvps.com/cowpower/



Size

Style

Color



HOW ENERGY HAPPENS

STEP 1



One cow can produce over 30 gallons of manure a day. 1,000 cows produce about 30,000 gallons of manure. All that manure can be turned into some serious profit for farmers generating Cow Power. The manure is fed into an anaerobic digester.

The digester is built to hold 21 days of farm waste at roughly 100°. Bacteria convert the waste into various products, one of which is methane gas. Gas produced by the bacteria builds up pressure in the concrete vessel, and a pipe delivers the biogas to a modified natural gas engine.



STEP 2

STEP 3



The biogas fuels the engine, which in turn spins an electric generator to create electricity. Waste heat from the engine is used to keep the digester warm, and offsets fuel purchases on the farm.

One cow's waste can produce enough electricity to light 2 100-watt light bulbs 24 hours a day. The energy is fed into the CVPS electrical system for distribution to customers.

STEP 4



STEP 5



The electricity is fed straight to our factory. 100% of our electricity comes from CVPS Cow Power. Every time a cow passes gas, we make a new shirt.

COW POWER T'S™



Perfected in Vermont

Q: What is Cow Power?



a) Bovine weight lifting contest



b) Cow Fission



c) Tractor Pull



d) Cows running on treadmills

e) None of the above

A: The correct answer is
e) none of the above

Actually CVPS Cow Power is a fully renewable energy source generated by methane from Vermont cows.

Q: What is the proper Vermont term for Flatulence?

- a) Toot
- b) Pass gas
- c) Cut the cheese
- d) Break wind
- e) Barking spiders
- f) Air biscuit
- g) Barn burner
- h) Butt buster
- i) Crop dusting
- j) Sonic blast
- k) All of the above

Vote for your favorite or submit your own to
toot@vermontclothingcompany.com

A: The correct answer is
k) all of the above

Call it what you want but every time a cow passes gas, we make another shirt.



What's ECO Brew?

Spent Mash

Heat Recovery

Water Conservation

Cow Power

Governor's Award

Other Efforts

Cow Power

On April 22nd, 2008 Long Trail was host to an Open House Media Day at our brewery in Bridgewater Corners, Vermont, to officially sign on as the largest company participating in CVPS's award winning 'Cow Power' renewable energy program.

CVPS Cow Power™ provides Vermont electricity consumers with the option of supplying their energy needs from a 100% renewable resource right here in the Green Mountains of Vermont. Sourcing a large portion of our brewery's electricity usage from this renewable resource is an important addition to Long Trail's 'ECO Brew' program for environmentally conscious brewing while also providing much needed financial

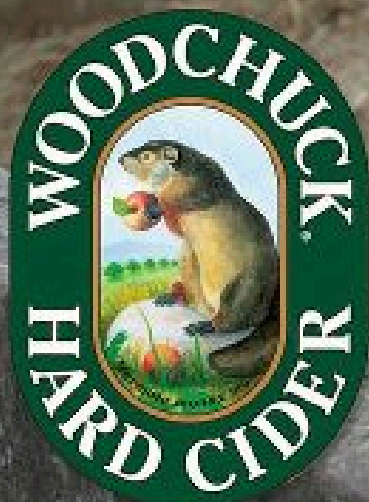
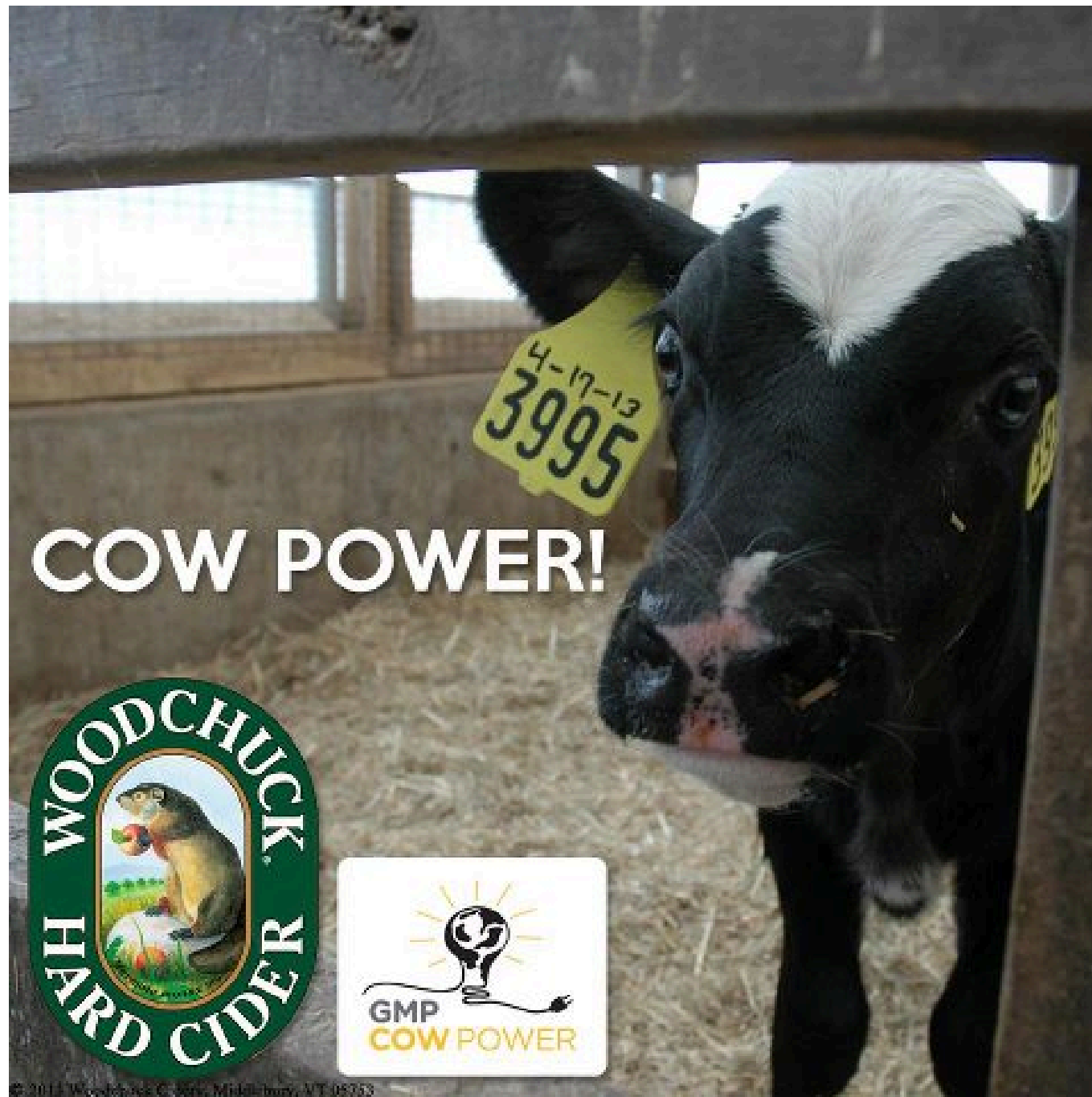


Presented by **Long Trail**
BREWING CO.

Have a question? Contact Us



VISIT LONGTRAIL.COM



Drew's

[Home](#) [Contact Us](#) [Private Label](#) [Sitemap](#)

CHEF CREATED...NATURE INSPIRED!



WHERE TO BUY

From the first taste, you'll know that Drew's is different.

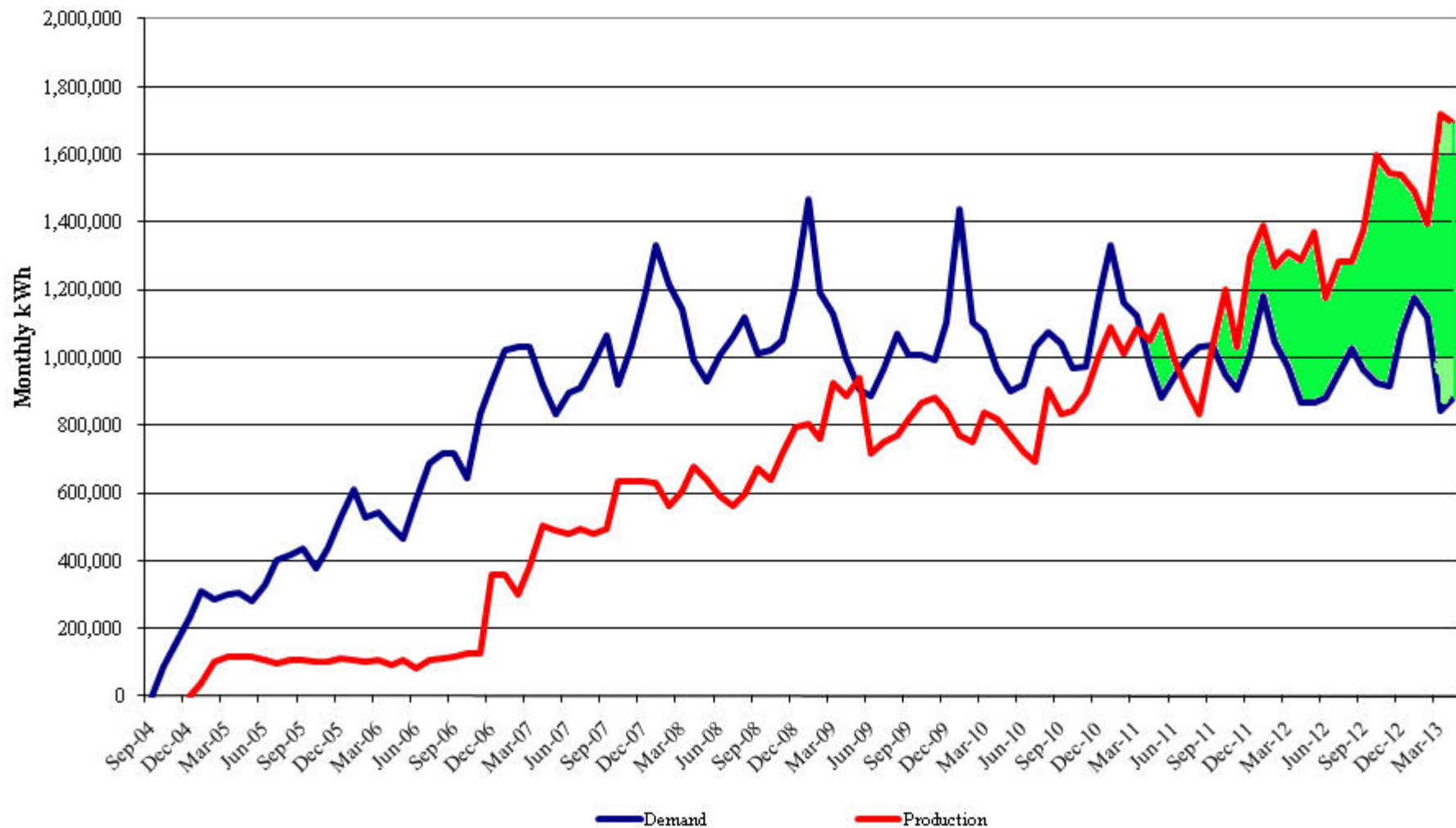


COW POWER
AT THE BEAST
> LEARN MORE.



GMP Cow Power™

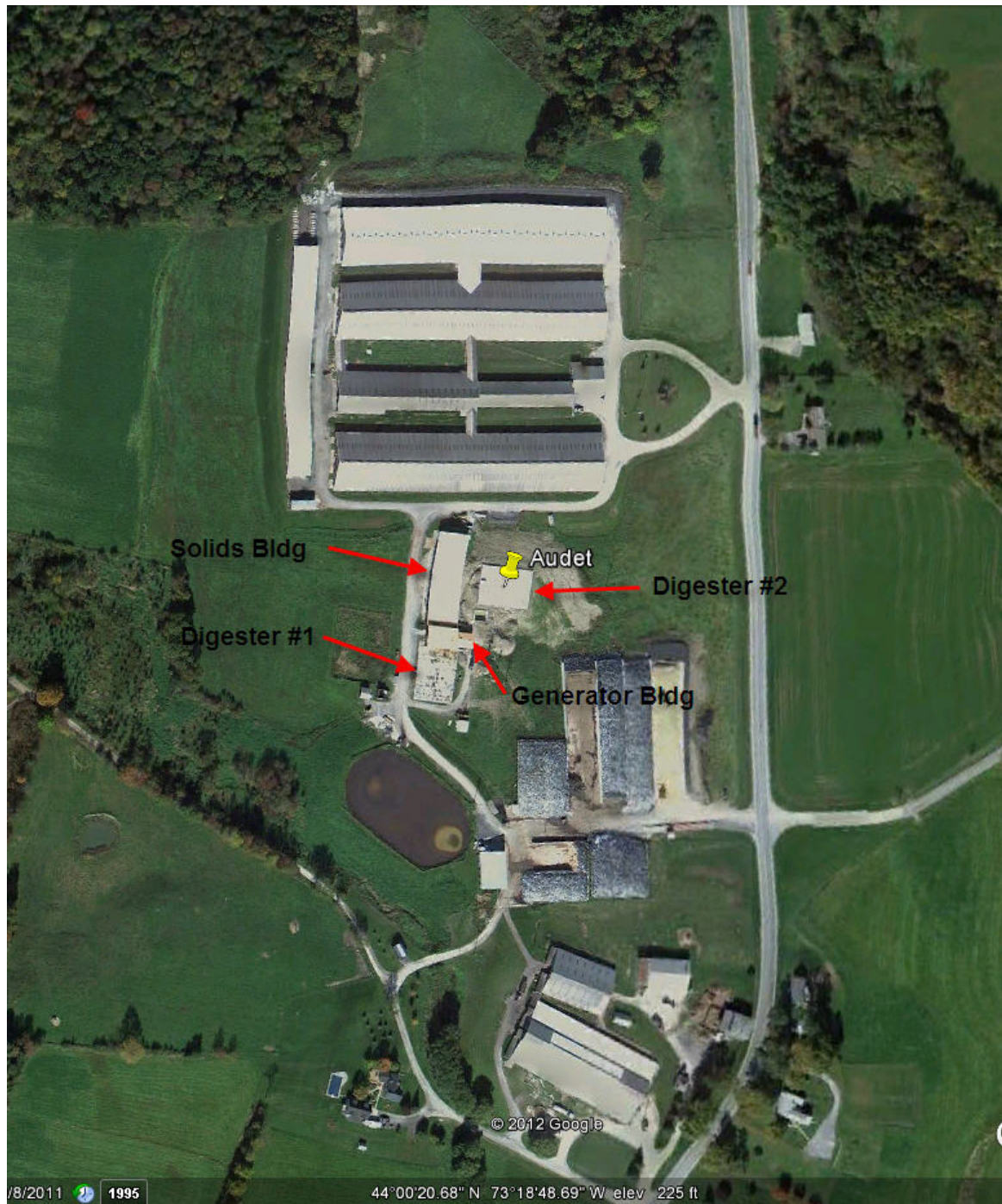
Production vs. Demand



Cow Power

Farm Partners







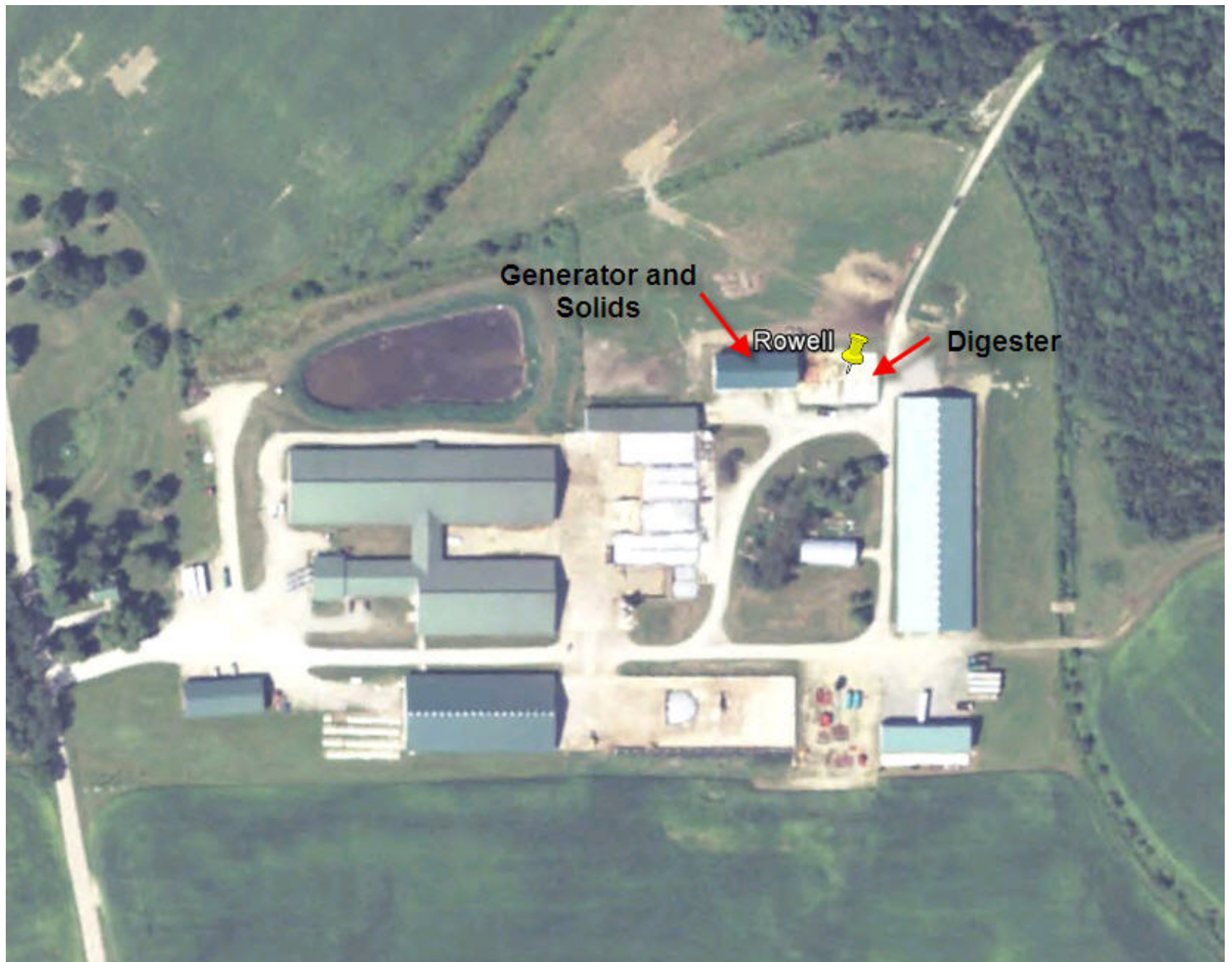


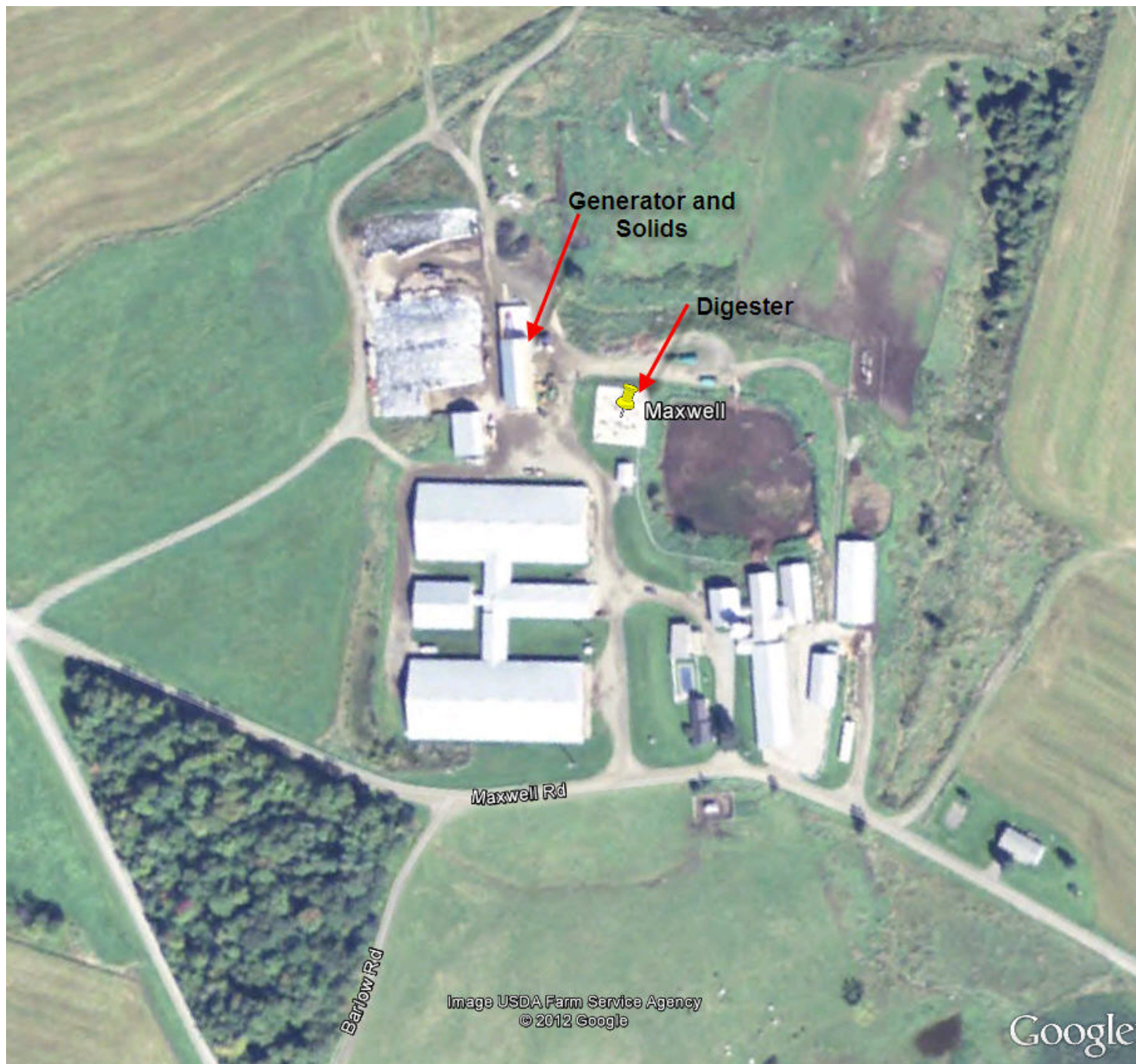




Image USDA Farm Service Agency
© 2012 Google

Google





Generator and
Solids

Digester

Maxwell

Maxwell Rd

Barlow Rd

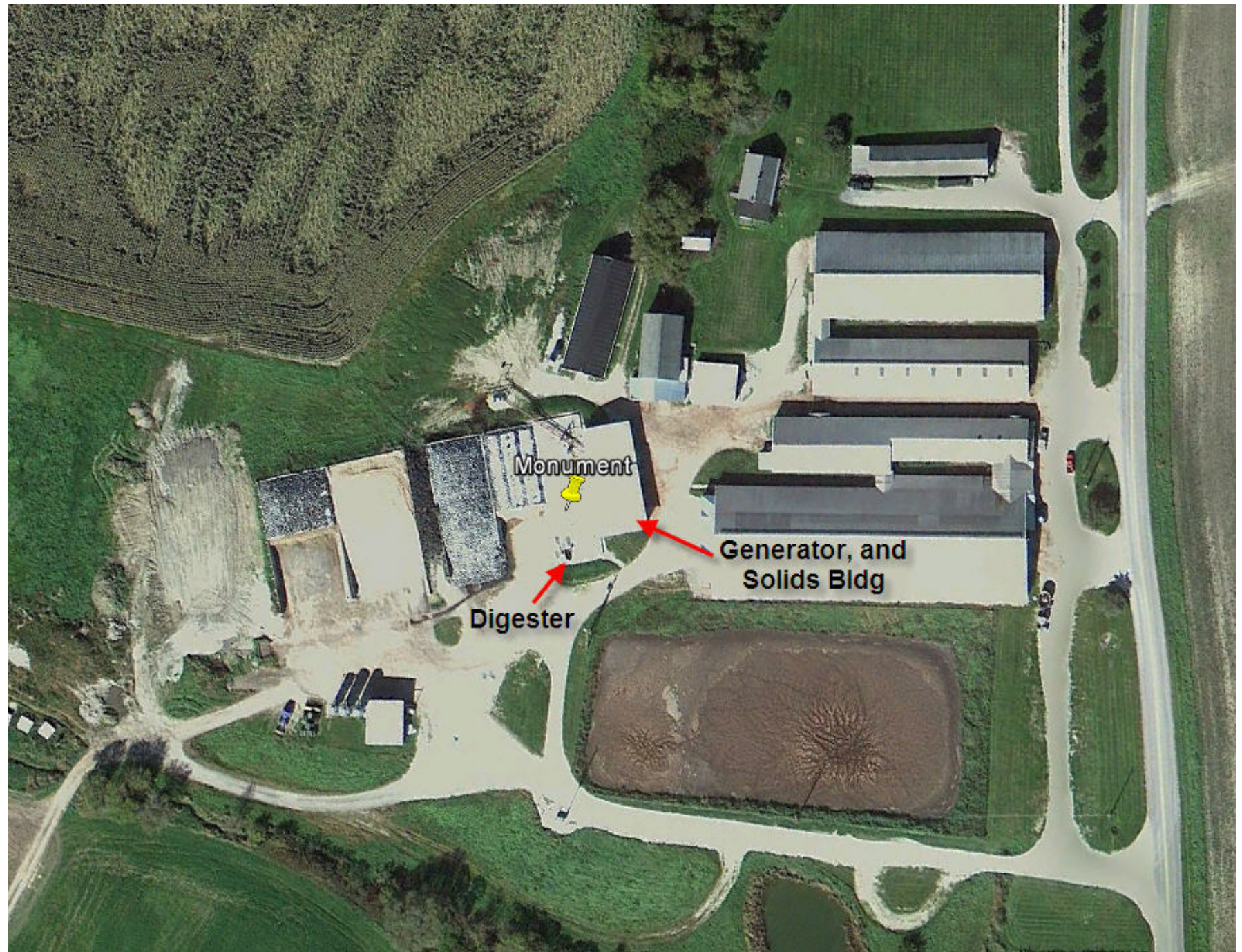
Image USDA Farm Service Agency
© 2012 Google

Google









Monument

Digester

Generator, and
Solids Bldg



12/30/2011

Generator

Digester

Kane





